

NOTICE

This document has been taken directly from U.S. Military Specification MIL-A-8625F and contains only minor editorial and format changes required to bring it into conformance with the publishing requirements of SAE technical standards. The initial release of this document is intended to replace MIL-A-8625F. Any part numbers established by the original specification remain unchanged.

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Under Department of Defense policies and procedures, any qualification requirements and associated qualified products lists are mandatory for DOD contracts. Any requirement relating to qualified products lists (QPL's) has not been adopted by SAE and is not part of this SAE technical document.

1. SCOPE:

1.1 Scope:

This specification covers the requirements for six types and two classes of electrolytically formed anodic coatings on aluminum and aluminum alloys for non-architectural applications (see 6.1).

1.2 Classification:

The anodic coating Types and Classes covered by this specification are as specified herein (see 6.2 and 6.21).

1.2.1 Types:

- Type I - Chromic acid anodizing, conventional coatings produced from chromic acid bath (see 3.4.1)
- Type IB - Chromic acid anodizing, low voltage process, $22 \pm 2V$, (see 3.4.1)
- Type IC - Non-chromic acid anodizing, for use as a non-chromate alternative for type I and IB coatings (see 3.4.1 and 6.1.2)
- Type II - Sulfuric acid anodizing, conventional coatings produced from sulfuric acid bath (see 3.4.2)
- Type IIB - Thin sulfuric acid anodizing, for use as a non-chromate alternative for Type I and IB coatings (see 3.4.2 and 6.1.2)
- Type III - Hard Anodic Coatings (see 3.4.3)

1.2.2 Classes:

- Class 1 - Non-dyed (see 3.5.)
- Class 2 - Dyed (see 3.6.)

2. APPLICABLE DOCUMENTS:

The following specifications and standards form a part of this document to the extent specified herein.

2.1 U.S. Government Publications:

Available from DODSSP, Subscription Services Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

MIL-P-23377	Primer Coating, Epoxy-Polyamide, Chemical and Solvent Resistant
MIL-C-81706	Chemical Conversion Materials for Coating Aluminum and Aluminum Alloys
MIL-P-85582	Primer Coatings: Epoxy, Waterborne
QQ-A-250/4	Aluminum Alloy 2024, Plate and Sheet